



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/930,115	08/14/2001	Sukendeep Samra	020699-004800US	9996

7590

04/20/2004

Charles J. Kulas
CARPENTER & KULASLLP
1900 Embarcadero Road
Suite 109
Palo Alto, CA 94303

EXAMINER

BRIER, JEFFERY A

ART UNIT

PAPER NUMBER

2672

DATE MAILED: 04/20/2004

15

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/930,115

Applicant(s)

SAMRA ET AL.

Examiner

Jeffery A Brier

Art Unit

2672

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 7 and 9-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 7 and 9-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/30/04 has been entered.

Response to Amendment

2. The after final amendment filed on 01/30/04 has been entered in view of the RCE request.

Response to Arguments

3. Applicant's arguments, see the paragraph spanning pages 6-7, filed 01/30/04, with respect to the 112 first paragraph rejection of claims 7, 12 and 18-20 have been fully considered and are persuasive. The 112 first paragraph rejection of claims 7, 12-14 and 18-20 has been withdrawn.

4. Applicant's arguments filed 01/30/04 concerning the 112 first paragraph rejection of claims 15-17 have been fully considered but they are not persuasive.

Applicants argument concerning paragraph 49 and the response to arguments presented in the Final rejection, see page 6 first and second paragraphs, has been considered and are not persuasive because the images of paragraph 49 are not described as being displayed in multiple inner areas of the navigator area and paragraph 91 only describes showing in mini windows each of the four different parts of the diagram relative to each other. A diagram is different than an image. The claimed image is broader than the described diagram, thus, claim 17 is claiming more than that is disclosed.

Claim 15 claims multiple inner areas representing different portions of the electronic image while claim 12 limits the inner area to be a miniature representation of the display screen. Figure 4B clearly shows mini windows corresponding to windows, see applicants specification at paragraph 0091.

5. Applicant's arguments filed 01/30/04 concerning the 102 rejection of claims 7, 9, 12-15 and 17-20 and the Hama reference and the 103 rejection have been fully considered but they are not persuasive.

Claim 7 claims at line 2 wherein a portion of the image is displayed on a display screen. Claim 12 claims at lines 2-3 claims displaying a portion of the electronic image on a display screen. Claims 18-20 claim the same. Independent claims 7, 12, and 18-20 do not claim to use the entire display screen to display the portion of the electronic image.

The newly added limitation to claims 7 and 12 in view of applicants specification and figure 4A, claims the inner box provides a miniature representation of the portion of the electronic image corresponding to the display screen. Figure 4A shows displayed on the display screen both the portion of the electronic image and the navigator window overlayed onto the portion of the electronic image. Thus, the inner box provides a miniature representation of the portion of the image corresponding to the display screen. Not what is actually displayed on the display screen. Hama shows a portion of the image at 23 and shows a navigator window 2 having an inner box 25 showing a miniature version of the image shown in display area 23.

Claim Objections

6. Claim 19 is objected to because of the following informalities: it seems this claim is a method claim rather than an apparatus claim. Appropriate correction is required.

Claim Rejections - 35 USC § 112

7. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

8. Claims 15-17 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to

one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Claims 15-17:

Claims 15-17 claim additional inner areas, claim 15, and multiple inner areas while parent claim 12 was amended to claim the edges of the inner area correspond to edges of the display screen. If there are multiple inner areas and one display screen then the edges of each or any of the multiple inner areas cannot correspond to edges of the display screen, see applicant's figure 4B.

Claim 17:

Claim 17 claims multiple different images are displayed. While the specification at page 13 lines 6 and 7 clearly describes different parts of a diagram are displayed in windows 340, 342, 344, and 346, thus this claim claims subject matter that was not present in the applicant as filed. As discussed in the response to arguments paragraph 49 does not support claim 17.

9. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

10. Claims 7, 9-17 and 21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The added limitation to claims 7 and 12 are

indefinite because it is not clear what applicant intends to be displayed in the inner box since the display screen as seen in figures 4A and 4B shows a portion or portions of the entire electronic image along with the navigator box while the inner box only displays a miniature portion of the electronic image and not a miniature representation of the display screen. Claims 7 and 12 need to be amended to more clearly claim what the inner box provides.

Claim Rejections - 35 USC § 102

11. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

12. Claims 7, 9, 10, 12-15, and 17-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Hama et al., U.S. Patent No. 4,751,507.

Hama teaches a navigator window 22 which has an inner area 25 where the box indicating area 25 corresponds to display screen area 23 and display screen area 23 has at least three edges corresponding to the edges of the display screen. Thus, inner area 25 has at least three edges corresponding to the edges of the display screen.

A detailed analysis of the claim follows.

Claim 7:

Hama teaches a method for viewing an image on a display screen (*see figures 1 and 5*), wherein a portion of the image is displayed (*this claim does not claim*

how the portion of the image is displayed. See 23 of Hama's figure 5.) and wherein portions of the image are off screen (see figure 2) the method comprising

displaying a navigator box (22 of figure 5) on the display screen;

displaying an inner box (25 of figure 5) within the navigator box (22), wherein the inner box provides a miniature representation of the display screen (*since the inner box shows a miniature version of the portion of the image corresponding to the display screen rather than a miniature version of the actual display screen which includes the navigator window then applicant is claiming the display of Hama's display area 23 in inner box 25 within navigator window 22) wherein edges of the inner box correspond to edges of the display screen (this claim limitation is broad since it does not state how many edges correspond to the edges of the display screen, box indicating area 25 corresponds to display screen area 23 and display screen area 23 has at least three edges corresponding to the edges of the display screen, thus, inner area 25 has at least three edges corresponding to the edges of the display screen);*

displaying a miniature version of the portion of the image on the display screen within the inner box (*within 22 is shown a small version of the evergreen tree shown in 23) in correspondence with the portion of the image's position with respect to the edges of the display screen (since at least three*

edges correspond to the edge of the display screen then Hamas' inner box is in correspondence with the edges of the display screen), wherein the portions of the off screen image are shown in miniature within the area of the navigator box (22) that is outside of the inner box (25).

Claim 9:

Hama teaches the method of claim 7, wherein the display screen is coupled to a processor (4, 5, 7, 8, 10) and user input device (9), the method further comprising accepting signals from the user input device to change the portion of image displayed (column 2 lines 58-61) and to change at least one portion of an off screen image changing the relative position of the inner box (column 2 lines 62-65) with respect to the navigator box (22) in correspondence with the changed image portions.

Claim 10:

Hama teaches the method of claim 9, wherein the step of changing the relative position of the inner box includes a substep of displaying the changed portion of displayed image within the inner box (as the cursor 25 is moved the image within the cursor changes).

Claim 12:

This method claim is very similar to method claim 7 and this claim is rejected for the same reasons given for claim 7.

Claim 13:

This method claim is very similar to method claim 9 and this claim is rejected for the same reasons given for claim 9.

Claim 14:

It is not clear which area is to be rectangular, however, in Hama areas 22, 23, and 25 are rectangular.

Claim 15:

The inner area 25 shows four areas formed by the cross hairs.

Claim 17:

Hama teaches the method of claim 12, wherein multiple different electronic images (*applicant has broadly claimed different images which is met by the house image, the tree image and the flower image of the larger image 22 of figure 5*) are displayed, the method further comprising displaying multiple inner areas within the navigator area (22), wherein two or more inner areas include miniature portions of two or more of the different electronic images (*placement of the cursor 25 over the tree and flower will provide at least one inner area over the tree and another inner area over the flower*).

Claim 18:

An apparatus for navigating in an electronic image, wherein the entire electronic image is larger than a display screen on which a displayed portion of the electronic image is

displayed (*The claim does not claim how the portion is displayed or where it is displayed. Thus, Hama's display area 23 meets this claim limitation.*), the apparatus comprising

means for displaying a miniature version of the entire electronic image in a navigator area on the display screen (*Figure 1 shows an equivalent means for displaying the miniature version of the entire electronic image in display area 22.*);

means for displaying an inner area within the navigator area (*Figure 1 shows an equivalent means for displaying the an inner area 25 within display area 22.*), wherein edges of the inner area correspond to edges of the display screen (*this claim limitation is broad since it does not state how many edges correspond to the edges of the display screen, box indicating area 25 corresponds to display screen area 23 and display screen area 23 has at least three edges corresponding to the edges of the display screen, thus, inner area 25 has at least three edges corresponding to the edges of the display screen*);

means for displaying a miniature version of the displayed portion of the electronic image in the inner area in correspondence with the displayed portion of the electronic image's position with respect to the edges of the display screen (*Figure 1 shows an equivalent means for displaying in the inner area 25 a miniature*

version of that which is shown in display area 22 with respect to the edges of the display screen.); and

means for maintaining the position of the inner area with respect to the navigator area in correspondence to the position of the displayed portion of the electronic image with respect to the entire electronic image (*Figure 1 shows an equivalent means for maintaining the position of the inner area 25 with respect to the navigator area 22 in correspondence to the position of the displayed portion 23 of the electronic image with respect to the entire electronic image 22.*).

Claim 19:

This apparatus claim corresponds to apparatus claim 18 and this claim is rejected for the same reasons given for claim 18.

Claim 20:

This computer-readable medium claim corresponds to apparatus claim 18 and this claim is rejected for the same reasons given for claim 18.

Claim Rejections - 35 USC § 103

13. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary

skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

14. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hama et al., U.S. Patent No. 4,751,507 in view of IBM Technical Disclosure Bulletin titled Project management Environment.

Hama teaches the image to be a computer controlled graphic application, column 1 lines 10-11, a stored image representation, column 1 line 34, and an image comprising a house, tree and flower, illustrated in figure 5.

Hama does not teach wherein the image includes one or more nodes in a flowgraph. The IBM Technical Disclosure Bulletin teaches displaying a flowchart that is larger than the display and allowing the user to scroll through the flowchart to view different areas of the flowchart, see page 6 of the EAST printout of this document.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a flowgraph image in Hama because a flowgraph is an image corresponding to a computer controlled graphic application and because the IBM Technical Disclosure Bulletin teaches displaying a flowchart image that is larger than the display.

Prior Art

15. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

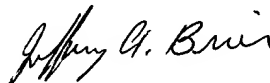
Soohoo, U.S. Patent No. 6,590,583, shows with reference to figures 3 and 4 a navigator windows 108, an inner box 112 and a magnified image window 110.

Allowable Subject Matter

16. Claim 21 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims. The prior art of record fails to teach or suggest omitting display of the lines interconnecting the nodes of the flow graph from the inner box.

17. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffery A Brier whose telephone number is 703-305-4723. The examiner can normally be reached on M-F from 6:30 to 3:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi, can be reached at (703) 305-4713. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Jeffery A Brier
Primary Examiner
Art Unit 2672